

PAMLICO RIVER BASIN

02083500 TAR RIVER AT TARBORO, NC

LOCATION.--Lat 35°53'38", long 77°32'00", . Edgecombe County, Hydrologic Unit 03020103, near right bank on downstream end of pier of bridge on U.S. Highway 64 in Tarboro, 6.5 mi downstream of Fishing Creek, and 49.2 mi upstream from Pamlico River at Washington.

DRAINAGE AREA.--2,183 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1896 to December 1900, October 1931 to current year. Gage-height records at various datums collected at same site since 1905 are contained in reports of National Weather Service, NOAA, U.S. Department of Commerce.

REVISED RECORDS.--WSP 1273: 1899-1900, 1933. WSP 1503: 1932. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 10.37 ft above sea level. July 1896 to December 1900, nonrecording gage at Seaboard Coast Line Railroad bridge 600 ft downstream at different datum; Oct. 1 to Dec. 8, 1931, nonrecording gage at site 100 ft upstream at present datum. National Weather Service telephone telemetry at station. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Some diurnal fluctuation at low flow caused by mills upstream from station. Maximum gage height for period of record, from floodmarks. Town of Tarboro diverted 4.3 ft³/s for municipal water supply. Minimum discharge for period of record also occurred Oct. 22, 1933, and Oct. 6, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 27, 1919, reached a stage of 34.0 ft, present datum, from flood marks; discharge, 52,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3270	504	1090	939	1160	1780	7380	1350	670	644	4750	399
2	2100	504	859	904	1160	1620	9210	1150	894	574	2910	397
3	1830	503	827	870	1140	1460	11400	1030	1790	505	1900	351
4	1610	503	830	839	1120	1590	13200	914	2870	485	1430	330
5	1370	503	800	833	1140	2440	15100	787	3340	517	1080	357
6	1190	495	779	808	1230	3080	15700	772	1890	629	837	358
7	1020	496	759	802	1040	3300	12800	677	2130	664	708	353
8	901	499	740	800	961	3190	8840	616	2560	703	639	322
9	800	502	723	820	948	2720	5500	574	3100	756	586	333
10	798	501	732	852	943	2200	3250	724	3360	716	546	357
11	738	503	789	869	886	1840	2510	596	2480	643	677	392
12	667	520	766	875	859	1590	2890	521	1620	594	825	365
13	668	548	732	873	848	1480	2610	546	1170	527	939	334
14	643	555	764	857	858	1390	2110	541	1030	483	1080	315
15	612	564	765	847	878	1340	1740	564	1060	442	2190	327
16	605	576	787	845	925	1440	1490	537	3970	410	2230	359
17	591	612	919	874	1180	1540	1370	503	8490	389	2010	328
18	584	664	1270	1040	1840	1560	1330	472	11000	360	1770	303
19	576	688	1940	1040	2820	1530	1280	455	12000	334	2700	282
20	566	719	2510	1050	3810	1440	1240	448	11400	320	2570	271
21	562	752	2610	1170	4210	2150	1220	472	8880	294	2070	260
22	554	750	2350	1320	3610	4630	1160	534	6010	299	1410	242
23	549	760	2040	1560	3040	6250	1060	541	2910	292	1020	235
24	531	749	1730	1660	2560	7180	1030	542	1490	289	805	252
25	525	766	1470	1630	2230	8100	1290	542	1180	295	716	477
26	517	859	1300	1540	2040	8770	1970	574	1030	297	624	546
27	510	1100	1170	1420	1960	9100	2190	564	921	2890	537	421
28	506	1360	1080	1320	1910	7060	2240	805	923	5110	497	413
29	500	2410	1020	1240	---	4180	1910	1030	918	5630	476	399
30	501	2190	994	1180	---	3990	1580	1680	767	6370	441	367
31	502	---	974	1150	---	6080	---	916	---	6660	418	---
TOTAL	26896	22655	36119	32827	47306	106020	136600	21977	101853	39121	41391	10445
MEAN	868	755	1165	1059	1690	3420	4553	709	3395	1262	1335	348
MAX	3270	2410	2610	1660	4210	9100	15700	1680	12000	6660	4750	546
MIN	500	495	723	800	848	1340	1030	448	670	289	418	235
CFSM	.40	.35	.53	.49	.77	1.57	2.09	.32	1.56	.58	.61	.16
IN.	.46	.39	.62	.56	.81	1.81	2.33	.37	1.74	.67	.71	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 2001,[®] BY WATER YEAR (WY)

	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	1142	1258	1992	3323	4289	4423	3208	1833	1349	1304	1423	1570																																																																																														
MAX	8896	5049	6195	10020	12920	11050	8553	8411	4873	6291	8260	26760																																																																																														
(WY)	2000	1948	1949	1936	1899	1989	1987	1958	1979	1975	1940	1999																																																																																														
MIN	56.7	115	191	253	497	1116	688	451	243	192	180	63.8																																																																																														
(WY)	1934	1934	1934	1934	1934	1981	1995	1995	1986	1986	1993	1968																																																																																														

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02083500 TAR RIVER AT TARBORO, NC--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1896 - 2001 [®]	
ANNUAL TOTAL	783056		623210		2259	
ANNUAL MEAN	2139		1707		4057	
HIGHEST ANNUAL MEAN					1960	
LOWEST ANNUAL MEAN					594	
HIGHEST DAILY MEAN	12800	Jul 30	15700	Apr 6	70500	Sep 19 1999
LOWEST DAILY MEAN	394	Jul 23	235	Sep 23	36	Oct 17 1933
ANNUAL SEVEN-DAY MINIMUM	462	Jul 10	264	Sep 18	40	Sep 26 1932
MAXIMUM PEAK FLOW			16000	Apr 6	70600	Sep 19 1999
MAXIMUM PEAK STAGE			22.74	Apr 6	41.51*	Sep 19 1999
INSTANTANEOUS LOW FLOW			201	Sep 24	36*	Oct 17 1933
ANNUAL RUNOFF (CFSM)	.98		.78		1.03	
ANNUAL RUNOFF (INCHES)	13.34		10.62		14.06	
10 PERCENT EXCEEDS	5160		3320		5630	
50 PERCENT EXCEEDS	1380		901		1220	
90 PERCENT EXCEEDS	518		406		284	

[®] See PERIOD OF RECORD.

* See REMARKS.

